



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
 United States Patent and Trademark Office
 Address: COMMISSIONER FOR PATENTS
 P.O. Box 1450
 Alexandria, Virginia 22313-1450
www.uspto.gov



CONFIRMATION NO. 7328

Bib Data Sheet

SERIAL NUMBER 10/645,041	FILING OR 371(c) DATE 08/21/2003 RULE	CLASS 714	GROUP ART UNIT 2113	ATTORNEY DOCKET NO. AUS920030044US1
-----------------------------	--	--------------	------------------------	---

APPLICANTS

Mark Allen Grubbs, Round Rock, TX;
 Gerald Francis McBrearty, Austin, TX;

**** CONTINUING DATA *******

N/A

**** FOREIGN APPLICATIONS *******

N/A

IF REQUIRED, FOREIGN FILING LICENSE GRANTED

** 11/18/2003

Foreign Priority claimed	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no	STATE OR COUNTRY TX	SHEETS DRAWING 7	TOTAL CLAIMS 15	INDEPENDENT CLAIMS 4
35 USC 119 (a-d) conditions met	<input type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> Met after Allowance				

ADDRESS

42640

TITLE

Method for generating sparse logical volume mirrors within data storage systems

FILING FEE RECEIVED 834	FEES: Authority has been given in Paper No. _____ to charge/credit DEPOSIT ACCOUNT No. _____ for following:	<input type="checkbox"/> All Fees
		<input type="checkbox"/> 1.16 Fees (Filing)
		<input type="checkbox"/> 1.17 Fees (Processing Ext. of time)
		<input type="checkbox"/> 1.18 Fees (Issue)
		<input type="checkbox"/> Other _____
		<input type="checkbox"/> Credit